

Appl. No. : 10/789,726
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CLAIM AMENDMENTS

1. - 72. (Canceled)

73. (New)

A device for mixing a liquid such as paint comprising:

a shaft for connection for to a rotary drive device; and

a mixing device comprising a plurality of spaced vanes, each vane having an inner edge and an outer edge, said vanes arranged to extend in a substantially circular configuration and arranged such that said inner edges of said vanes define a frusto-conical boundary surface, said mixing device mounted for rotation by said shaft, said mixing device having a top and a bottom, said shaft extending outwardly beyond said top, and said mixing device including a lower rim at said bottom, a plurality of feet extending downward from said lower rim.

74. (New)

The device in accordance with Claim 73 wherein said plurality of feet comprise portions of said plurality of vanes which extend beyond said lower rim.

75. (New)

The device in accordance with Claim 74 wherein a first group of said plurality of vanes has a first length and a second group of the plurality of vanes has a second length longer than the first length, said vanes of said second group extending below said lower rim to define said feet, said vanes of said first group and said vanes of said second group arranged in an alternating pattern.

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76. (New)

The device in accordance with Claim 73 wherein said mixing device includes an upper rim spaced from said lower rim.

77. (New)

The device in accordance with Claim 73 wherein said shaft is connected to said mixing device by at least one turbine.

78. (New)

The device in accordance with Claim 77 wherein a plurality of turbines extend between the vanes and said shaft, each turbine having a first end attached to the shaft and a second end attached to one or more of said plurality of vanes.

79. (New)

The device in accordance with Claim 78 wherein said turbines are aligned parallel with a central axis of said mixing device.

80. (New)

A device for mixing a liquid such as paint comprising:

a shaft having first end and a second end, said first end configured to be connected to a rotary drive device; and

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a mixing device mounted for rotation to said second end of said shaft, said mixing device comprising a plurality of spaced vanes, said vanes arranged in a substantially circular configuration about a central axis of said mixing device which is aligned with said shaft, said mixing device having a top and a bottom, said plurality of vanes positioned closer to said central axis at said top of said mixing device than at said bottom of said mixing device, whereby said mixing device has a generally frusto-conical shape, a hoop located at said bottom of said mixing device, and a plurality of feet extending from said hoop.

81. (New)

The device in accordance with Claim 80 wherein said vanes have an inner edge and an outer edge, said inner edges of said vanes defining an frusto-conical interior boundary surface of said mixing device.

82. (New)

The device in accordance with Claim 81 wherein said outer edges of said vanes define a frusto-conical outer surface of said mixing device.

83. (New)

The device in accordance with Claim 80 wherein said mixing device includes a first hoop at said top of said mixing device and a second hoop at said bottom of said mixing device.

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84. (New)

The device in accordance with Claim 80 wherein said first hoop defines a top opening of a first size and said second hoop defines a bottom opening of a second size which is larger than said first size.

85. (New)

The device in accordance with Claim 80 including at least one turbine connecting said shaft to said vanes.

86. (New)

The device in accordance with Claim 85 wherein each turbine has a first end connected to said shaft and second end connected to at least one of said vanes and wherein each turbine is generally aligned in a direction parallel to said central axis.

87. (New)

The device in accordance with Claim 85 wherein each of said feet are defined by portions of said plurality of vanes extending beyond said hoop.

88. (New)

The device in accordance with Claim 80 wherein said feet extend from said hoop inwardly towards said center axis.

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89. (New)

The device in accordance with Claim 88 wherein said fee are curved.

90. (New)

The device in accordance with Claim 80 wherein said vanes have an inner edge and an outer edge and are curved in a first direction between said inner and outer edges, and including a plurality of turbines connecting said shaft to one or more of said plurality of vanes, each of said turbines having a first end and a second end, said turbines curved between said first and second ends in said first direction.

91. (New)

The device in accordance with Claim 90 wherein three turbines are spaced apart at said top of said mixing device.